

PETROLEUM GEOLOGISCHE KRING

KONINKLIJK NEDERLANDS GEOLOGISCH MIJNBOUWKUNDIG GENOOTSCHAP



PGK

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Venue: PGK's monthly lectures are held at the KIVI building, Prinsessegracht 23, Den Haag. Drinks are served from 5 PM; the lecture starts at 6 PM.	www.pgknet.nl
Membership: Apply for membership by contacting the secretariat. Euro 15,-	
Accounts: VSB Bank: 88 65 82 733 (PGK, Haarlem)	Postbank: 4074482 (PGK, Haarlem)

APRIL NEWSLETTER

17 APRIL: MEETING

The next monthly meeting will be on Wednesday 17 April. As usual, social hour (free drinks) between 17:00 and 18:00 hrs. A lecture will be given by **Andrew Hayman (Schlumberger Clamart - France)** with the title:

“A NEW OIL-BASE MUD FORMATION IMAGER TOOL”

Please see other side of this newsletter for the April lecture abstract.

NEXT PGK LECTURE

23 May (Thursday):

Lecture: “Palinspastic reconstruction or unroofing for non specialists” by Kees. Rutten (Slokker Consultancy)

EXCURSION

The Dogger and Malm of the southeastern Paris Basin

The annual field trip will be run from Friday 7 June until Sunday 9 June (revised dates). We will leave at 12:00 instead of at 14:00. Cost of the excursion for each person will be 195 EURO. More details on the web page at www.pgknet.nl

Please **Register soon with** Evert Breman, excursion secretary. Email: e.breman@tierralinda.demon.nl or by phone: 0252-544779 (evening).

NEW MEMBERS

Applications for membership have been received from Mauro Foglietta, Angelo Pagano van Amersfoort (PanTerra Geoconsultants), Andreas Hofmann, Mike Simpson (Veba Oil&Gas), M.Wachter (Student UU), P. Huibregtse (Horizon Energy Partners) and Albert Oost (RIKZ). If no objections are received prior or during the next meeting they are automatically elected members of our society.

MEMBERSHIP

Those e-mail members that haven't received an 'acceptgirokaart' are requested to email their correct mailing address to secretary@pgknet.nl

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Monthly meeting: Wednesday 17 April, 2002
Address: KIVI building, Prinsessegracht 23, Den Haag
Social hour: (free drinks) between 17:00 and 18:00 hrs
Lecture: at 18:00hrs

“A NEW OIL-BASE MUD FORMATION IMAGER TOOL”

Andrew Hayman (Schlumberger Clamart - France)

ABSTRACT: With the advent of oil-base and synthetic muds, drilling risks are substantially reduced and efficiency dramatically increased. However, the benefits of microresistivity borehole imagers are lost. The rapid expansion of deepwater activity in unexplored areas has made it even more critical to develop a microresistivity imager tool that operates in these muds to provide key information

to geologists for successful exploration.

This presentation will describe an innovative microresistivity imager tool that operates in non-conductive drill-in fluids. Based on a new technology, the tool operates in all typical oil-base mud (OBM) types, from diesel to synthetic. The device provides images for formation resistivities ranging from below 0.5 to over 10,000 ohm-m. In addition, the calibrated high-resolution shallow resistivity measurement provided represents a first in the OBM environment. The first prototypes were introduced for testing in December 1999, and the service is now commercial with over 20 tools available worldwide.

The physical principle of the tool, its resolution and depth of investigation will be presented. Then examples from a variety of environments will be shown, including comparisons with core and with other imaging tools and dipmeters. The variety of facies determined from the images obtained emphasize the usefulness of this new instrument for successful geological interpretation, decision making and risk management in wellbores drilled with OBM.

OBMI images and quantitative Rxo measurement from a deepwater well in the Gulf of Mexico show a good match to the core photograph and low-resolution induction resistivity log. Thresholds are applied to the OBMI Rxo measurement to calculate the net pay thickness in the far right track.

- *This lecture is the 2002 PGK annual joint meeting with the Dutch Petrophysical Society (DPS). PGK cooperates with the DPS by organising an annual joint meeting. The meeting is held at the PGK venue (KIVI) and the speaker is invited on behalf of the DPS.*

Please post it on the board of your office building. New members and guests welcome!

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